

March 21, 2023

Utah Water Users Workshop

Where's the Data?

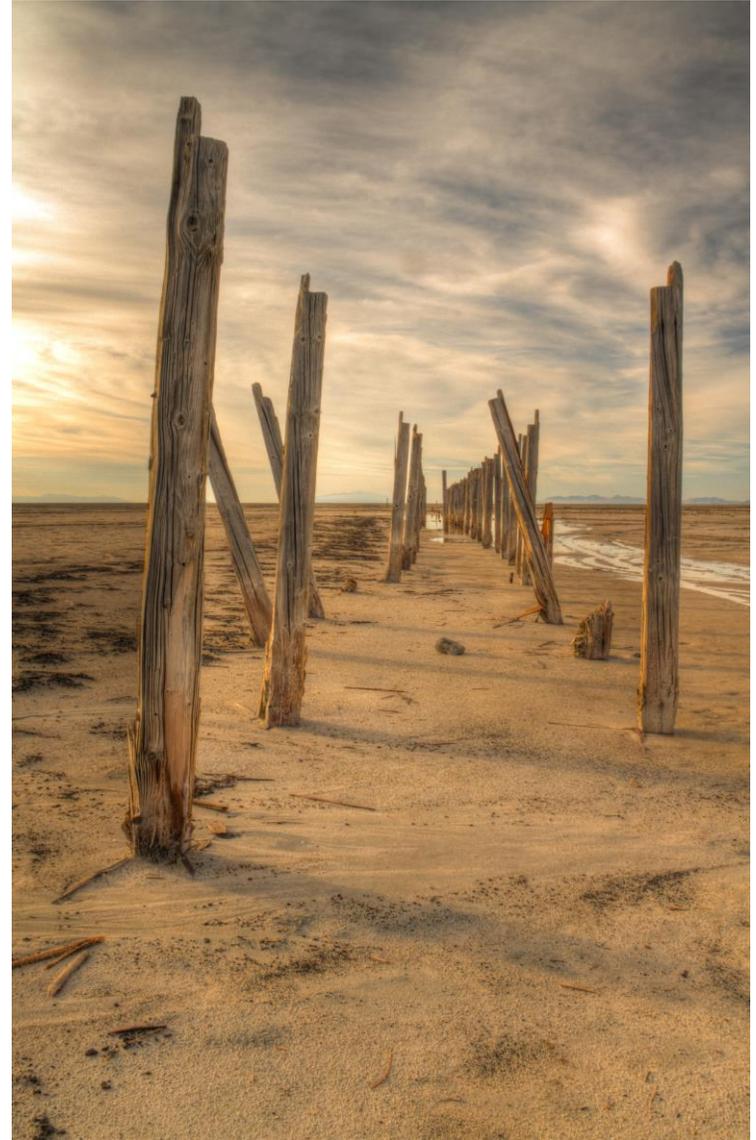
Water Diversion Data Collection



Jim Reese | Assistant State Engineer – Technical Services
Utah Division of Water Rights

Statutory Authority

- The State Engineer is responsible for the measurement of waters of the state. (73-2-1[3][a])
- A person using water shall construct or install and maintain controlling works and a measuring device (73-5-4[1])
- A person using water shall make the controlling works and measuring device accessible to the state engineer or water commissioner. (73-5-4[2])
- The State Engineer may collect and validate water use data. (73-5-8[2])



Water Diversion Data Collection

- Water Use Reporting Program
- Water Right Distribution Systems



Water Use Reporting Program

- Who reports?
 - Required by statute
 - Requested by State Engineer
- Entity types
 - Public Water Suppliers
 - Secondary Water Suppliers
 - Industrial Users
 - Management Plan (everyone else)



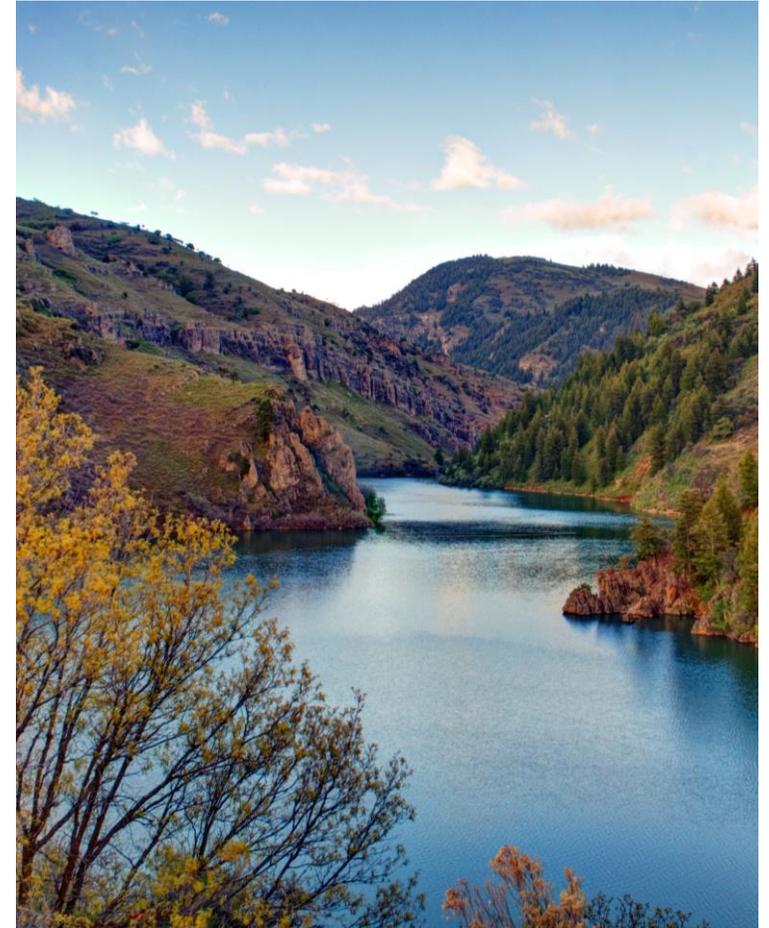
Water Use Reporting Program

- Annual, self-reported survey
- Monthly diversion amounts from each source
- Other required information in conjunction with Division of Water Resources and Division of Drinking Water



Water Right Distribution Systems

- Measurements needed to distribute water in accordance with water rights
- ~40 distribution systems statewide
- Commissioner(s) appointed by State Engineer in consultation with water users



Water Right Distribution Systems

- Data collection methods
 - Commissioner measurements
 - Automated measurements/telemetry
 - External data sources
 - Web scraping
 - SFTP

